Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	63085	(castor adj oil) or (ricinoleic near5 acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 12:36
L2	899	(castor or ricinoleic) near5 (estolide or polyester)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 12:37
L3	9400	(epoxidi?ed or epoxidat?$2 or epoxylat?$2) near5 (vegetable or soybean or soya or soyabean)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 12:38
L4	524	(l1 or l2) near10 l3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 12:59

L5	58	(I1 or I2) and I3	EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/01/19 12:57
L6	2	jp-51118099-$.did.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/01/19 12:58
L7	523	I4 not I6	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/01/19 12:59
L8	36280	"523"/$.ccls.	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/01/19 13:03

L9	110512	"525"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 13:03
L10	176	I7 and (I8 or I9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 13:29

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7	(("4316940") or ("2921040")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/19 16:53
L2	283587	((epoxidi?ed or epoxidat?$2 or epoxylat?$2) near5 (vegetable or soy$5)) or (epox?$3 adj resin) or diepox?$3 or polyepox?$3 or diglycidyl$ or polyglycidyl$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:55
L3	83447	ricinoleic or castor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:55
L4	290405	peroxide or butylperoxy or butylperoxyisopropyl or hydroperoxide or monohydroperoxide or cumylhydroperoxide or methylethylketoneperoxide or dicumylperoxide or dibenzoylperoxide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:57

L5	3120	I2 and I3 and I4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:57
L6	249	(I2 near10 I3) and I4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:58
L7	140	I3 near10 I4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 16:58
L8	19	I2 and I7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/19 17:04

L9	35	(castor or ricinoleic) near3 estolide	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/01/19 17:04
L10	3	I2 and I9	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2006/01/19 17:05

```
        (FILE 'HOME' ENTERED AT 14:04:02 ON 19 JAN 2006)

        FILE 'CAPLUS' ENTERED AT 14:04:10 ON 19 JAN 2006
L1              1 S JP05132616/PN

        FILE 'REGISTRY' ENTERED AT 14:04:47 ON 19 JAN 2006
L2             60 S EPOXID?(3A)SOY?
L3            215 S RICINOLEIC(W)ACID
L4              0 S (RICINOLEIC(W)ACID) AND ESTOLIDE
L5              0 S (RICINOLEIC(W)ACID) AND POLYESTER
L6            215 S RICINOLEIC(W)ACID
L7              0 S 200-209
L8           1383 S CASTOR(W)OIL

        FILE 'CAPLUS' ENTERED AT 14:10:04 ON 19 JAN 2006
L9              0 S 8001-79-4#/RN
L10             0 S 8013-07-8#/RN
L11          5184 S (EPOX!DI!ED OR EPOXIDAT!## OR EPOXYLAT!##)(5A)(SOYA OR SOY OR
                  S EP/PCT

        FILE 'REGISTRY' ENTERED AT 14:11:40 ON 19 JAN 2006
L12         48021 S EP/PCT

        FILE 'CAPLUS' ENTERED AT 14:11:40 ON 19 JAN 2006
L13         73550 S L12
L14        177457 S (EPOX!###(W)RESIN#) OR DIEPOX!### OR POLYEPOX!### OR DIGLYCID
L15        187227 S L10 OR L13 OR L14
L16         29475 S CASTOR(5A)OIL#
L17          1998 S 141-22-0#/RN
L18          1275 S L15 AND (L16 OR L17)

        FILE 'CAPLUS' ENTERED AT 14:13:41 ON 19 JAN 2006

        FILE 'REGISTRY' ENTERED AT 14:13:44 ON 19 JAN 2006
L19          2647 S SEBACIC(W)ACID

        FILE 'CAPLUS' ENTERED AT 14:14:32 ON 19 JAN 2006
L20         62463 S (POLYCARBOXYLIC OR DICARBOXYLIC)(W)ACID#
L21         65581 S L20 OR (111-20-6#/RN)
L22        123422 S CROSSLINKER# OR (CROSS(W)(LINKER#)) OR ((CURING OR HARDENING

=> s l21 or l22
L23     186383 L21 OR L22

=> s l18 and l23
L24        339 L18 AND L23

=> s l15(7a)(l16 or l17)
L25        506 L15(7A)(L16 OR L17)

=> s l25 and l23
L26        142 L25 AND L23
```
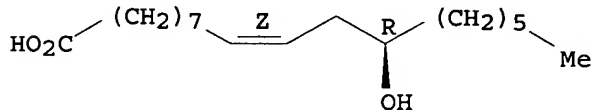
```
RN    141-22-0   REGISTRY
ED    Entered STN:  16 Nov 1984
CN    9-Octadecenoic acid, 12-hydroxy-, (9Z,12R)- (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN    9-Octadecenoic acid, 12-hydroxy-, [R-(Z)]-
CN    Ricinoleic acid (8CI)
OTHER NAMES:
CN    (R)-12-Hydroxyoleic acid
CN    12-D-Hydroxy-9-cis-octadecenoic acid
CN    12-Hydroxy-cis-9-octadecenoic acid
CN    12-Hydroxyoctadeca-9-enoic acid
CN    Edenor Ri 90
CN    Nouracid CS 80
CN    NSC 281242
CN    Ricinic acid
CN    Ricinolic acid
FS    STEREOSEARCH
DR    8040-35-5, 25607-48-1, 17026-54-9, 45260-83-1
MF    C18 H34 O3
CI    COM
LC    STN Files:   ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
         BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST,
         CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT,
         IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA,
         PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB
            (*File contains numerically searchable property data)
         Other Sources:   DSL**, EINECS**, TSCA**
            (**Enter CHEMLIST File for up-to-date regulatory information)
```

Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.

$$HO_2C-(CH_2)_7\overset{Z}{=\!=}\underset{\underset{OH}{|}}{\overset{R}{C}}-(CH_2)_5-Me$$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
        1996 REFERENCES IN FILE CA (1907 TO DATE)
         405 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
        1998 REFERENCES IN FILE CAPLUS (1907 TO DATE)
           6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
```

```
RN    8001-79-4  REGISTRY *
* Use of this CAS Registry Number alone as a search term in other STN files may
  result in incomplete search results.  For additional information, enter HELP
  RN* at an online arrow prompt (=>).
ED    Entered STN:  16 Nov 1984
CN    Castor oil  (CA INDEX NAME)
OTHER NAMES:
CN    3 Castor Oil
CN    Aromatic castor oil
CN    Castor oil 3
CN    Crystal O
CN    DB Oil
CN    ELA-DR
CN    Fats and Glyceridic oils, castor
CN    Fats and Glyceridic oils, ricin
CN    LAVCO
CN    Neoloid
CN    No. 3 Castor oil
CN    Oil of Palma Christi
CN    Oils, glyceridic, ricin
CN    Phorbyol
CN    Ricinol
CN    Ricinus communis oil
CN    Tangantangan oil
CN    Thixcin ST
CN    Viscotrol C
CN    Z 1
CN    Z 1 (oil)
DEF   Extractives and their physically modified derivatives.  It consists
      primarily of the glycerides of the fatty acid ricinoleic. (Ricinus
      communis).
DR    8013-56-7, 8015-57-4, 8021-37-2, 8036-08-6, 8041-22-3, 8041-95-0,
      89958-32-7
MF    Unspecified
CI    COM, MAN, CTS
LC    STN Files:  ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CASREACT, CHEMCATS,
         CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE,
         ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB*, IPA, MEDLINE,
         MSDS-OHS, NIOSHTIC, PDLCOM*, PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT,
         USAN, USPAT2, USPATFULL, VETU, VTB
            (*File contains numerically searchable property data)
      Other Sources:  DSL**, EINECS**, TSCA**
            (**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
```

RN   8013-07-8 REGISTRY *
* Use of this CAS Registry Number alone as a search term in other STN files may
  result in incomplete search results. For additional information, enter HELP
  RN* at an online arrow prompt (=>).
ED   Entered STN: 16 Nov 1984
CN   **Soybean oil, epoxidized** (CA INDEX NAME)
OTHER NAMES:
CN   Adekacizer O 130L
CN   Adekacizer O 130P
CN   Adekacizer O 130PA
CN   Adekacizer O 130S
CN   ADK Cizer O 130L
CN   ADK Cizer O 130P
CN   ADK Cizer O 130PA
CN   ADK Cizer O 130S
CN   ADK Cizer O 13P
CN   Admex 711
CN   ATO Vikoflex 7170
CN   Baerostab LSA
CN   D 130P
CN   Daimac S 300
CN   Daimac S 300K
CN   Drapex 6.8
CN   Drapex 68
CN   E 2000
CN   Ecepox PB 1
CN   Edenol D 16
CN   Edenol D 20
CN   Edenol D 81
CN   Edenol D 82
CN   Epocizer P 206
CN   Epocizer W 1000
CN   Epocizer W 100EL
CN   Epocizer W 100S
CN   **Epoxidized soya oil**
CN   **Epoxidized soybean oil**
CN   Epoxol 7-4
CN   Ergoplast ES
CN   ESBO
CN   Estabex 2307
CN   Flexol EPO
CN   G 62
CN   Interstab Plastoflex 2307
CN   Kapox S 6
CN   Kronox S
CN   Lankroflex E 2307
CN   Lankroflex GE
CN   Merginat ESB
CN   New-Cizer 510R
CN   Newkalgen 800
CN   NF 3000
CN   NK 800
CN   O 130P
CN   Paraplex G 60
CN   Paraplex G 61
CN   Paraplex G 62
CN   Pennac TM
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
      DISPLAY
DR   12768-71-7, 9036-74-2, 11114-05-9, 121853-93-8, 53569-11-2, 55070-15-0,
      56090-94-9, 51059-88-2, 61788-96-3, 37260-65-4, 37307-47-4, 37311-19-6,
      39378-88-6, 39390-63-1, 52440-01-4, 193425-83-1
MF   Unspecified
CI   MAN, CTS

```
RN    111-20-6  REGISTRY
ED    Entered STN:  16 Nov 1984
CN    Decanedioic acid (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN    Sebacic acid (8CI)
OTHER NAMES:
CN    1,10-Decanedioic acid
CN    1,8-Octanedicarboxylic acid
CN    n-Decanedioic acid
CN    NSC 19492
CN    NSC 97405
FS    3D CONCORD
MF    C10 H18 O4
CI    COM
LC    STN Files:   AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD,
         CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM,
         DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
         ENCOMPPAT, ENCOMPPAT2, GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
         MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PHAR, PIRA, PROMT,
         RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB
            (*File contains numerically searchable property data)
      Other Sources:   DSL**, EINECS**, TSCA**
            (**Enter CHEMLIST File for up-to-date regulatory information)
```

$HO_2C - (CH_2)_8 - CO_2H$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
        4875 REFERENCES IN FILE CA (1907 TO DATE)
         997 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
        4878 REFERENCES IN FILE CAPLUS (1907 TO DATE)
           6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
```